Prop Shop: 2004-9

# MULTI-STATION SCBA CONFIDENCE TRAINER

## South Milwaukee Fire Department

MULTI-STATION SCBA CONFIDENCE TRAINER:

This training prop is designed to provide realistic challenges that may be encountered on the fireground with the intent of providing both a learning atmosphere to instruct the proper way to address certain situations and as a personal evaluation tool so they personally can judge their levels of confidence and competence. Several of the props are based on real-life fireground scenarios.

Drills available on the set-up as pictured:

- **Attic scuttle**
- **Rafter crawl**
- **Low profile – horizontal**
- **Low profile – vertical (16" on center)**
- **Downward ramp**
- **Narrow passage (24" tube)**
- **Reduced clearance (angled)**
- **Wire entanglement**

Additional training tools possible:

- **Hoseline / search rope follow**
- **Hose coupling identification**
- **Wall breach (with addition of drywall sections)**

Attic Scuttle Description:

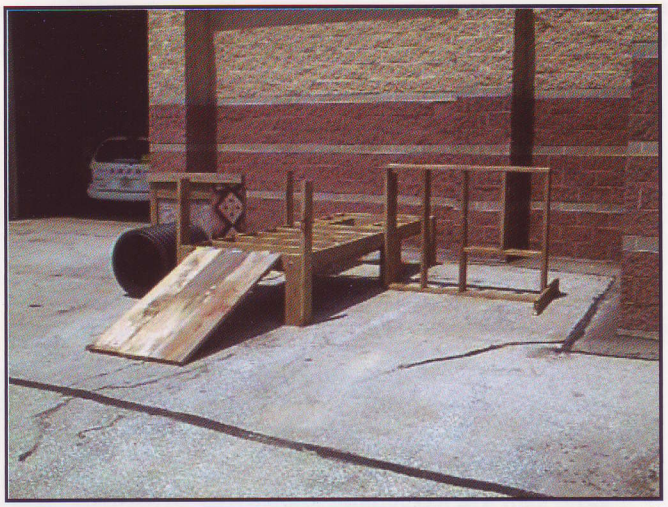
- **4' x 4' square – elevated off of the ground approx. 18" (the legs are 24" high)**
- **Underside sheathed w/ ½" treated plywood - framed with "rafters / joists" on 16" centers with a 20" x 32" scuttle opening**

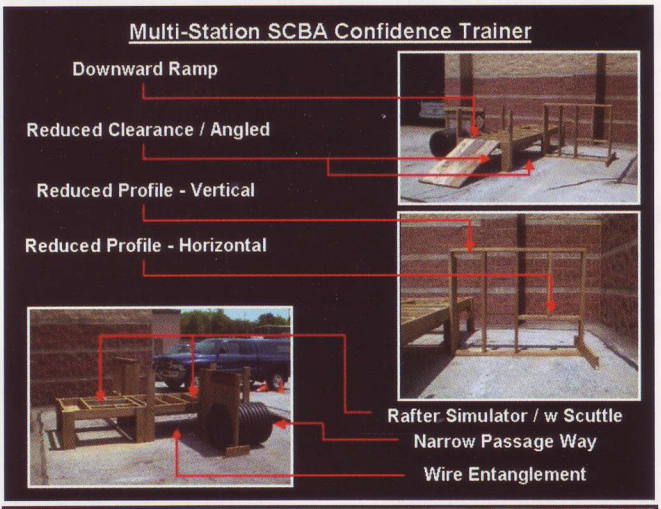
Materials:

- 8 – 2" x 6" x 2' legs screwed together and permanently fastened to the prop with deck screws
- 4 – 2" x 6" x 4' for frame
- 1 - 2" x 6" x 4' for rafter
- 2 - 2" x 6" x 32" to frame scuttle
- 2 - 2" x 6" x 11" for blocking next to scuttle
- 1 - ½" x 4' x 4' treated plywood for sheathing underside

Rafter Craw Description:

- 4' x 8' – elevated off of the ground approx. 18"
- Underside sheathed w/ ½" plywood
- Framed with "rafters / joists" on 16" centers
- Legs are 24" high on the ends and 48" on the sides, screwed together with deck screws and mounted to the frame with bolts so they are removable. This allows the prop to be used by itself at ground level for other training evolutions. The higher sides are used to provide a safety rail when elevated.



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Materials:

- 3 - 2" x 6" x 8' for the legs
- 5 - 2" x 6" x 8' for rafters and frame ends
- 2 - 2" x 6" x 80" for frame sides
- 1 - ½" x 4' x 8' pressure treated plywood
- 2 – 1"x 4" x 80" for side "rails"

Downward Ramp Description:

- 3 – 2" x 12" x 4' pressure treated boards assembled together by attaching 2 - 2" x 6" x 32" to the back with deck screws.
- The ramp is the attached to the end of the rafter crawl prop with 3 – heavy-duty hinges.

Materials:

- 1 - 2" x 12" x 12' pressure treated
- 1 - 2" x 6" x 8' pressure treated
- 3 – heavy duty hinges

Reduced Profile Wall Description:

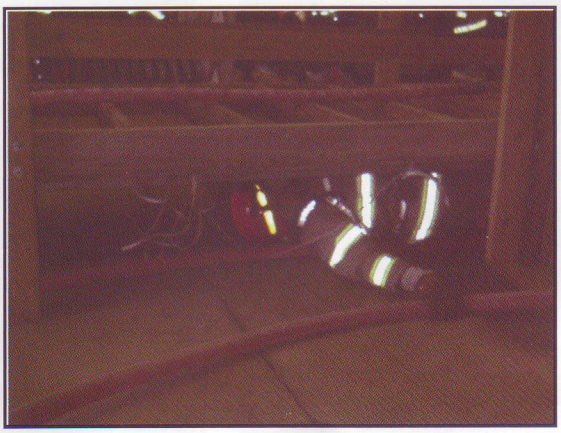
- 4' x 4' square with studs spaced 16" on center and a 20" high by 32" wide space provided for horizontal reduced profile maneuvers.
- Another 2" x 6" x 4' is used to provide support to the end of the prop away from the rafter crawl prop.
- The reduced profile wall is attached to the rafter crawl prop with 1- 3/8" bolt and a wing nut.

Narrow Passage Description:

- 4' x 4' frame with an arched plywood section securing the tube to the frame.
- The frame is then slid between two, 2" x 6" cut-offs screwed to the frame of the rafter crawl prop.
- The tube is a 3' section of 24" diameter corrugated tubing obtained from our municipal wastewater treatment facility free-of-charge.

Wire Entanglement Description:

- 8 – eyebolts screwed to underside of rafter crawl prop.
- Two – 2" x 2" x 80" pressure treated boards are screwed to the bottom to protect the eyebolts if the prop is used on the ground.
- Scrap electrical, cable TV, telephone and baling wire are then used to act as entanglement hazards.



**Estimated Total Cost: $250.00**

For more information: Captain Joseph Knitter, South Milwaukee (WI) Fire Department, at knitter@ci.south-milwaukee.wi.us